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International Student Portal

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International Student Portal

By

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Masters Project/Graduate Project

Submitted in partial fulfillment of the requirements

For the Degree of Master of Science,
With a Major in Computer Science

Governors State University
University Park, IL 60484

FALL 2014

International Student Portal

Software Requirements & Design Document

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1.0 Introduction

1.1 Purpose:

This is an web based application which provides information to International students about GSU university . GSU International student portal is an internet based application that can be accessed throughout world .Students can also know updates of university like cultural events, news ,weather reports etc. Students can fill the contact details so that school can contact him. The proposed system is completely integrated online system. Students can fill form to get airport pick from international office.

1.2 Stakeholder:

There are two sets of stakeholders for this product: Students, coordinator .The main stakeholder affected by the changes described in this document are the Student.

1.3 Social and Economic Benifits:

This Portal helps student to know about school and get the airport pick up to student.

2.0 Overall Description

2.0 Scope of the Software enhancement

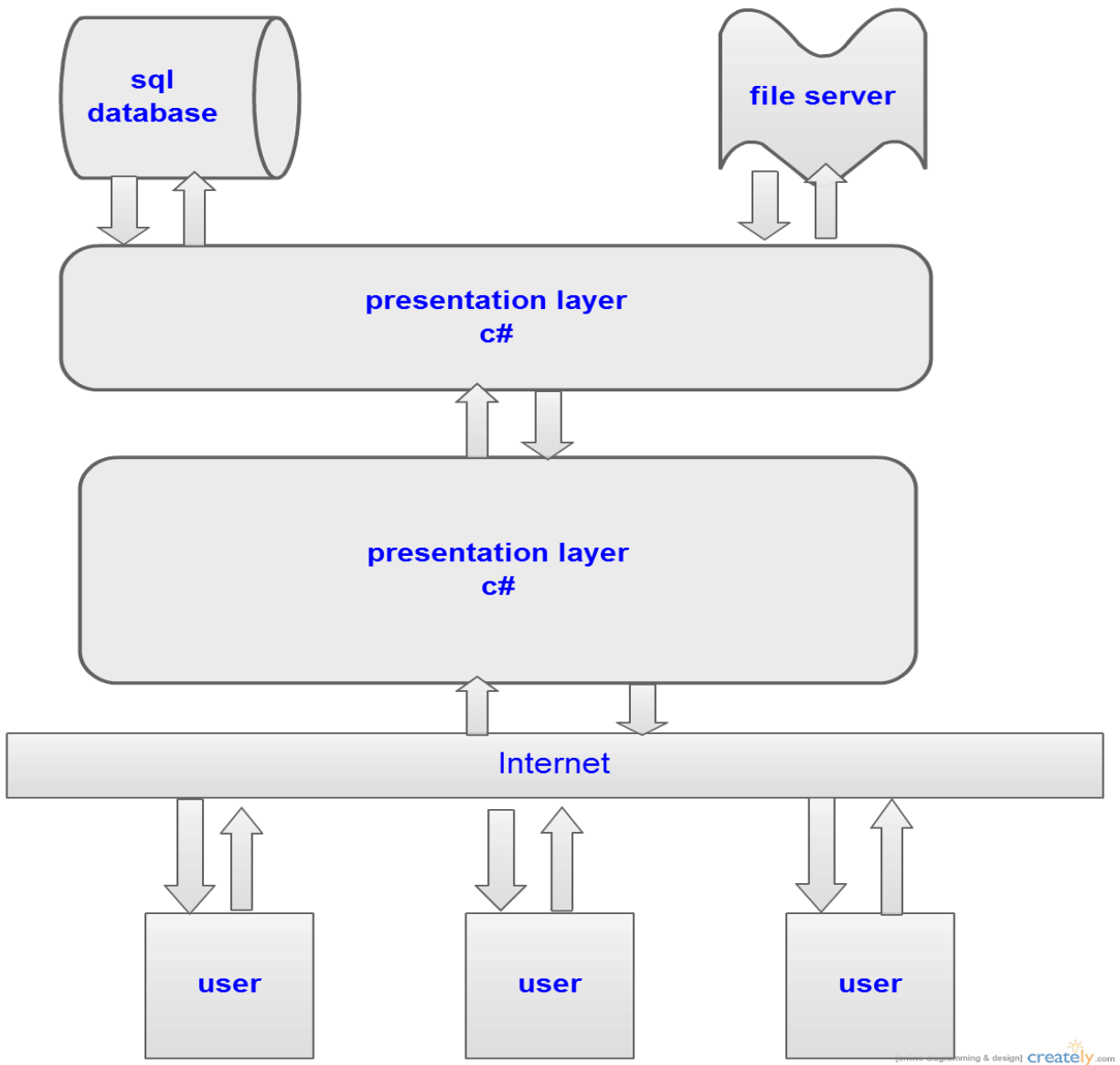
These changes will improve the ease of use and functionality available to instructors.

2.1 Available Sources

- The International student Portal is a web application that is available from any PC that has internet access.
- The software will be deployed to the Cloud (via Google server).
- There will be no additional hardware.
- This web application is written in C sharp. All extensions of this application should be written in the same language for maintainability.
- Required Development Tools

Security would stay consistent with the security already in place for this application.

3. Architecture diagram:



4. Interface screens

5.Functional Requirements

The proposed changes will add multiple new screens that will provide the instructor with more functionality. After these changes are released, the instructor will be able to:

1. a)Add new Home button to main screen
 - b). Add new Pre-Arrival Form button to main screen
 - c). Add new Contact us button to main screen
 - d). Add new Admin button to main screen
2. Add calendar to the home page.
3. a)Adding user name field to User login page
 - b)Adding password field to User login page
 - c)Adding Submit button to admin login page
4. a).Add new manage Pre-Arrival Form button to main screen
 - b). Add new manage Contact us button to main screen
 - c). Add new manage events to main screen
- 5.a)Add all required fields to Pre-Arrival Form
 - b)Adding submit button to Pre-Arrival Form
- 6 a) Adding Name field to Contact us
 - b) Adding Academic level field to User Contact us
 - c) Adding Major field to Contact us Page
 - d) Adding Major field to Academic Level Page
 - e) Adding Message field to Contact us Page
 - f) Adding Submit to Contact us Page
- 7) Administrator managing screens

6.0 Interface Requirements

Main screen



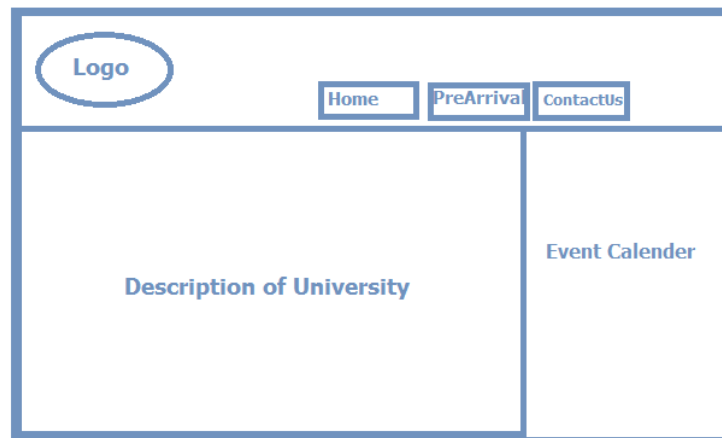
a)Add new Home button to main screen



b). Add new Pre-Arrival Form button to main screen



c). Add new Contact us button to main screen



d). Add new Admin button to main screen



a) Adding Name field to Contact us

A wireframe diagram of a contact form. It features a header bar with a "Logo" placeholder. Below the header, there is a "Contact us" button. Underneath the button, the label "Name" is positioned to the left of a rectangular input field.

c) Adding Major field to Academic Level Page

A wireframe diagram of an academic level form. It features a header bar with a "Logo" placeholder. Below the header, there is a "Contact us" button. Underneath the button, there are two input fields. The first field is labeled "Name" and the second field is labeled "Academic Level".

c) Adding Major field to Contact us Page

The wireframe shows a contact form layout. At the top left is a rounded rectangle labeled "Logo". To its right is a rounded rectangle labeled "Contact us". Below the "Contact us" button are three stacked rectangular input fields. To the left of these fields are the labels "Name", "Academic Level", and "Major" respectively.

d) Adding Message field to Contact us Page

The wireframe shows the updated contact form layout. It includes the "Logo" and "Contact us" buttons at the top. Below the "Contact us" button are four stacked rectangular input fields. To the left of these fields are the labels "Name", "Academic Level", "Major", and "Message" respectively.

e) Adding Submit to Contact us Page

Logo

Contact us

Name

Academic Level

Major

Message

submit

7) Administrator managing screens

Logo

AdminLogin

User Name

Password

Submit

Logo

Manage Arrival form

Field 1	Field 2	Filed 3	Edit	Delete
			Add	

Logo

Manage Events

Field 1	Field 2	Filed 3	Edit	Delete
			Add	

Logo

Manage Contacts

Field 1	Field 2	Filed 3	Edit	Delete
			Add	

Database Design :

AirportPreArri...	
[-] Properties	
🔑 StudentId	
🔑 StudentName	
🔑 FirstName	
🔑 LastName	
🔑 StudentIdNumber	
🔑 CountryCitizens...	
🔑 Gender	
🔑 HomeAddress	
🔑 City	
🔑 Country	
🔑 HomePhoneNu...	
🔑 EmailAddress	
🔑 EmergencyCont...	
🔑 EmergencyCont...	
🔑 PickupOrNot	
🔑 FDL	
🔑 FDD	
🔑 FDT	
🔑 BeforeArriveChi...	
🔑 ArrivalAirport	
🔑 AD	
🔑 AT	
🔑 ArrivalAirline	
🔑 FlightNumber	
🔑 PlaneStopsOthe...	
🔑 StopIfYes	
🔑 FamilyMembers	
🔑 FamilyIfYes	
🔑 FamilyPickup	
🔑 OtherInformation	
🔑 FlightTicketImage	
🔑 FileName	
[-] Navigation Properties	

CollegeEvent	
[-] Properties	
🔑 EventId	
🔑 EventName	
🔑 EventDate	
🔑 EventDescription	
[-] Navigation Properties	

User	
[-] Properties	
🔑 Id	
🔑 Username	
🔑 Password	
[-] Navigation Properties	

ContactU	
[-] Properties	
🔑 Id	
🔑 Name	
🔑 AcademicLevel	
🔑 Major	
🔑 Message	
[-] Navigation Properties	

7.0 Operational Requirement

Security, Availability, Reliability, Recoverability

Describe the attributes of each of the topics listed

- Security - There is already security in place for this application. All changes made here are to conform to those same standards.
- Availability - The system should be available 24/7.
- Reliability -The system needs to be reliable for the all end users i.e., customers.
- Recoverability - If the web application fails, a user can re-login and all data will reappear as it is being stored on the db.